

SFW-3 Singlemode 1310/1490/1550 WDM

Description:

OPTOKON is a producer of WDMs and these can be manufactured in the full spectrum according to specific customer requests. We are now introducing the new three channel Wavelength Division Multiplexer, the 3-WDM. This MUX/DEMUX works on 1310/1490/1550 nm wavelengths with insertion loss less than 0.7 – 1.0 dB and isolation better than 40 dB between 1310/1550 and 1490/1550 channels. This high isolation, low loss WDM is achieved by combining innovative fused and thin film technology.

The compact 3-WDM is designed to be used for FTTH projects in passive optical network infrastructures. Various types of pigtailed and connector terminations are available to meet your requirements.



SFW-C345-CM3-NE2S-NE2S

Features:

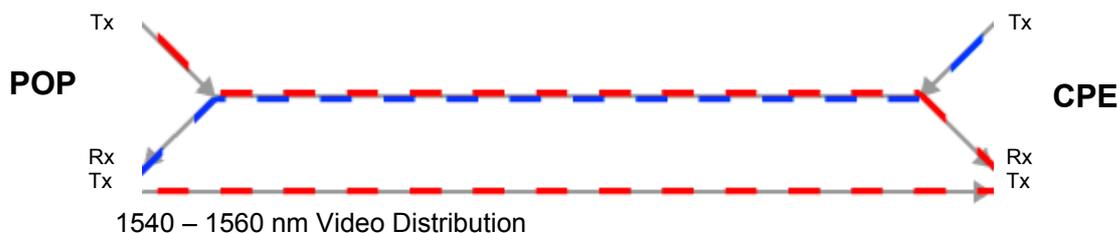
- High port isolation
- Custom defined specifications
- Low insertion loss
- Low polarization dependent loss
- Bidirectional transmission with high directivity
- Wide spectral channels
- Environmentally stable
- Wide range of packaging types

Applications:

- FTTH networks

Downstream
1480 – 1500 nm Voice & Data

Upstream
1300– 1320 nm Voice & Data



Technical specifications:

ITEM	3-WDMs		
Operating Wavelength, nm	1310/1490/1550		
	1310	1490	1550
Bandwidth, nm	±15	±7	±10
Insertion Loss ¹⁾ , dB	≤ 0.7	≤ 1.0	≤ 1.0
Isolation, dB	> 20	> 20	> 35
Polarization Dependent Loss, dB	≤ 0.15		
Directivity, dB	> 55		
Temperature Sensitivity (dB/°C)	≤ 0.002		
Operating Temperature ²⁾ , °C	-40 to +85		
Storage Temperature ²⁾ , °C	-55 to +85		
WARNING: This product should never be installed in an optical network handling above Class I emissions			

Note: 1) Without connectors, typ. value

2) Conditioned by the cable type

Underwriters Laboratories approval, file number OBFA. E248452

Ordering Code:

SFW - C345 - XXX - NC-NC

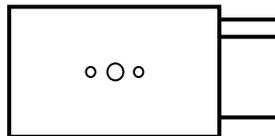
wavelength¹ (nm) 1310/1490/1550	no input and output connectors connector type can be defined according to: CON_13-01 (Jumper Ordering Code) standard fiber/cable length = 1 m	
package version I (basic type) FM3 Fiber type, metal box 100x80x10 mm, stackable CM3 Cable type, metal box 100x80x10 mm, stackable		package version II (optional) CAPM Optokon cassette SC splice cassette (TC251S-1X) SA stand alone (plastic box) RM Rack mounted unit (MCNP-1U) WM Wall mounted box (MPIC-4)

package variants:

SFW-C345 FM3, CM3

Note:

1) Other λ combination on demand



Metal box

Packaging options:



SFW-C345-CM3-NE2S-NE2S